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OFFICE OF PETITIONS

In re Patent of Estrada :

Patent No. 7,574,335 : Issue Date: August 11, 2009 : Application No. 10/777,566 :

Filing Date: February 11, 2004

Atty. Docket No. 07844-0620001/P351N

DECISION ON REQUEST

FOR RECONSIDERATION OF PATENT TERM ADJUSTMENT AND NOTICE OF INTENT TO

ISSUE CERTIFICATE OF

CORRECTION

This is a decision on the petition filed on October 6, 2009, which is being treated as a petition under 37 C.F.R. § 1.705(d) requesting that the patent term adjustment indicated on the patent be corrected to indicate that the term of the patent is extended or adjusted by one thousand one hundred twelve (1,112) days.

The petition to correct the patent term adjustment indicated on the above-identified patent to indicate that the term of the above-identified patent is extended or adjusted by one thousand one hundred twelve (1,112) days is **GRANTED to the extent indicated herein**.

As the period from the filing date of the request for continued examination (RCE) to the issue date of the patent is not included in the period of delay under 35 U.S.C. § 154(b)(1)(B), the over three year period began on February 12, 2007, and ended on May 26, 2008, the day before the RCE was filed, and is 470 (not 471) days. See 35 U.S.C. § 154(b)(1)(B)(i). As such, the patent term adjustment is 1,111 days, not 1,112 days.

The Office will sua sponte issue a certificate of correction. Pursuant to 37 C.F.R. § 1.322, the Office will not issue a certificate of correction without first providing assignee or patentee an opportunity to be heard. Accordingly, Patentee is given one (1) month or thirty (30) days, whichever is longer, from the mail date of this decision to respond. No extensions of time will be granted under 37 C.F.R. § 1.136.

The Office acknowledges submission of the \$200.00 fee set forth in 37 C.F.R. § 1.18(e). No additional fees are required.

The application is being forwarded to the Certificates of Correction Branch for issuance of a certificate of correction. The Office will issue a certificate of correction indicating that the term of the patent is extended or adjusted by one thousand one hundred eleven (1,111) days.

Patent No. 7,574,335

Telephone inquiries specific to this decision should be directed to Senior Petitions Attorney Steven Brantley at (571) 272-3203.

Anthony Knight

Supervisor

Office of Petitions

Enclosure: Copy of DRAFT Certificate of Correction

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO.

7,574,335 B1

ISSUE DATE

August 11, 2009

DRAFT

INVENTOR(S)

Estrada

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the cover page,

[*] Notice:

Subject to any disclaimer, the term of this patent is extended or adjusted under

35 U.S.C. 154(b) by 698 days.

Delete the phrase "by 698 days" and insert - by 1111 days--



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(12) United States Patent

Estrada

(10) Patent No.:

US 7,574,335 B1

(45) Date of Patent:

Aug. 11, 2009

(54)	MODELLING PIECE-WISE CONTINUOUS
	TRANSFER FUNCTIONS FOR DIGITAL
	IMAGE PROCESSING

- (75) Inventor: James J. Estrada, San Jose, CA (US)
- (73) Assignee: Adobe Systems Incorporated, San Jose,

CA (US)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35 U.S.C. 154(b) by 698 days.

(21) Appl. No.: 10/777,566

(22) Filed: Feb. 11, 2004

(51)	Int. Cl.	
` ,	G06F 7/60	(2006.01)
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	G03F 3/00	(2006.01)
	G06F 11/00	(2006.01)
	G06E 1/04	(2006.01)
	G06E 1/00	(2006.01)

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

4,969,045 A * 11/1990 Haruki et al. 348/229.1

5,087,966	Α	2/1992	Harradine
5,132,796	Α	7/1992	Topper et al.
5,255,093	Α	10/1993	Topper et al.
5,381,349	A *	1/1995	Winter et al 382/167
5,398,076	A *	3/1995	Lum et al 348/676
5,694,484	Α	12/1997	Cottrell et al.
5,710,871	Α	1/1998	Tadenuma et al.
5,790,707	Α	8/1998	Tanaka et al.
6,076,964	A *	6/2000	Wu et al 374/141
6,157,735	A *	12/2000	Holub 382/167
6,535,255	B2 *	3/2003	Motonakano et al 348/675
6,771,839	B2 *	8/2004	Westerman 382/274
6,944,304	B1 *	9/2005	Dance et al 381/94.7
7,076,119	B2 *	7/2006	Takemoto 382/312
2002/0005911	Al*	1/2002	Motonakano et al 348/675
2002/0067435	Al	6/2002	Rapaich

(Continued)

OTHER PUBLICATIONS

Hany Farid, Blind Inverse Gamma Correction, Oct. 2001, IEEE Transactions on Image Processing, vol. 10, No. 10.*

(Continued)

Primary Examiner—Hugh Jones Assistant Examiner—Suzanne Lo (74) Attorney, Agent, or Firm—Fish & Richardson P.C.

(57) ABSTRACT

Methods and apparatus, including computer program products, for modelling a non-linear transfer function with a power law function. A transfer function is received. Iteratively, until a termination flag is set, a first power law function is received, an auxiliary function is generated from the transfer function and local differences between the transfer function and the first power law function, a second power law function is fitted to the auxiliary function, a modelling error is calculated from the second power law function and the transfer function, and the termination flag is set when the modelling error is less than a predetermined value.

47 Claims, 5 Drawing Sheets

